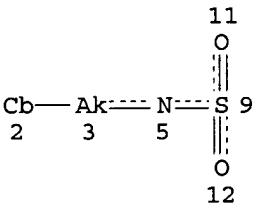
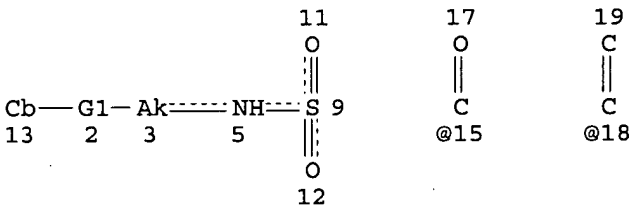
```
=> fil reg
FILE 'REGISTRY' ENTERED AT 07:26:37 ON 07 MAR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2005 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES:    4 MAR 2005  HIGHEST RN 842949-55-7
DICTIONARY FILE UPDATES:   4 MAR 2005  HIGHEST RN 842949-55-7

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 18, 2005

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=> d sta que l16
L4                STR
```




```
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  UNS  AT   2
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   6

STEREO ATTRIBUTES: NONE
L10               STR
```




```
VAR G1=15/18
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  AT  13
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
```

NUMBER OF NODES IS 11

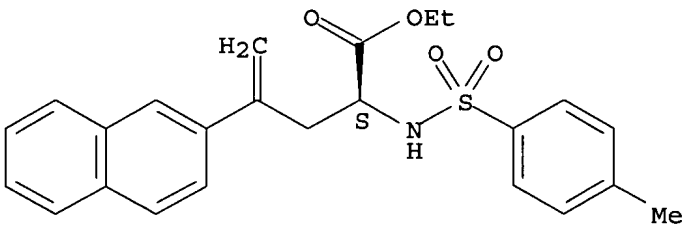
STEREO ATTRIBUTES: NONE
L12 227017 SEA FILE=REGISTRY ABB=ON PLU=ON C6-C6/ES AND (N AND S AND O)/ELS
L15 1711 SEA FILE=REGISTRY SUB=L12 SSS FUL L4
L16 6 SEA FILE=REGISTRY SUB=L15 SSS FUL L10

100.0% PROCESSED 627 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

=> d ide can tot l16

L16 ANSWER 1 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 396662-83-2 REGISTRY
CN 2-Naphthalenebutanoic acid, γ-methylene-α-[[(4-methylphenyl)sulfonyl]amino]-, ethyl ester, (αS)- (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C24 H25 N O4 S
SR CA
LC STN Files: CA, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry.



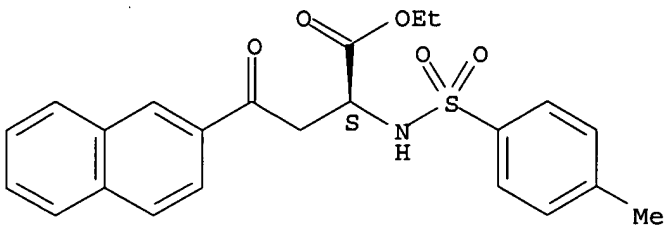
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 136:167650

L16 ANSWER 2 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 207230-46-4 REGISTRY
CN 2-Naphthalenebutanoic acid, α-[[(4-methylphenyl)sulfonyl]amino]-γ-oxo-, ethyl ester, (αS)- (9CI) (CA INDEX NAME)
OTHER CA INDEX NAMES:
CN 2-Naphthalenebutanoic acid, α-[[(4-methylphenyl)sulfonyl]amino]-γ-oxo-, ethyl ester, (S)-
FS STEREOSEARCH
MF C23 H23 N O5 S
SR CA
LC STN Files: CA, CAPLUS, CASREACT
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

Absolute stereochemistry. Rotation (+).

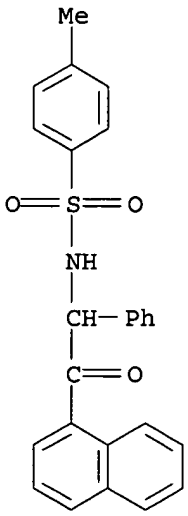


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 129:4478

L16 ANSWER 3 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 96466-97-6 REGISTRY
CN p-Toluenesulfonamide, N-[α-(1-naphthoyl)benzyl]- (7CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H21 N O3 S
LC STN Files: CA, CAOLD, CAPLUS
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: NORL (No role in record)



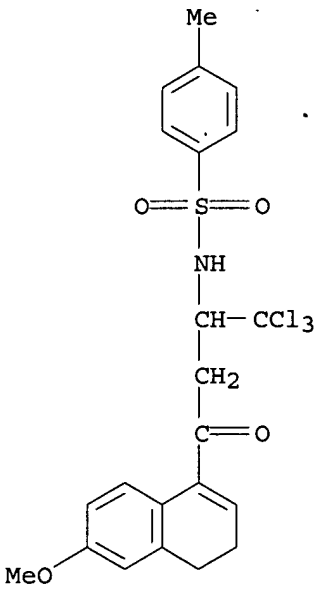
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 62:90491

L16 ANSWER 4 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 57188-06-4 REGISTRY
CN Benzenesulfonamide, N-[3-(3,4-dihydro-6-methoxy-1-naphthalenyl)-3-oxo-1-(trichloromethyl)propyl]-4-methyl- (9CI) (CA INDEX NAME)
FS 3D CONCORD

MF C22 H22 Cl3 N O4 S
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

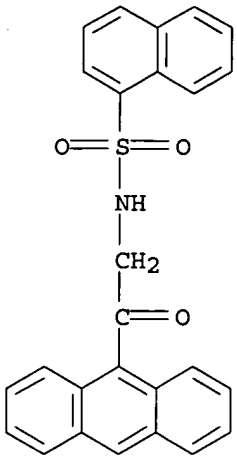


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 83:163966

L16 ANSWER 5 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 24092-31-7 REGISTRY
CN 1-Naphthalenesulfonamide, N-(9-anthroylmethyl)- (8CI) (CA INDEX NAME)
FS 3D CONCORD
MF C26 H19 N O3 S
LC STN Files: BEILSTEIN*, CA, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: PREP (Preparation)

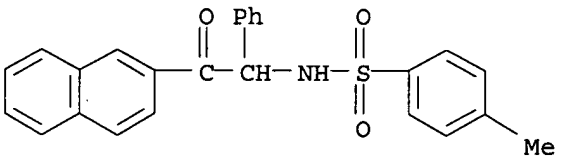


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)

REFERENCE 1: 71:112684

L16 ANSWER 6 OF 6 REGISTRY COPYRIGHT 2005 ACS on STN
RN 3893-27-4 REGISTRY
CN p-Toluenesulfonamide, N-[α-(2-naphthoyl)benzyl]- (7CI, 8CI) (CA INDEX NAME)
FS 3D CONCORD
MF C25 H21 N O3 S
LC STN Files: BEILSTEIN*, CA, CAOLD, CAPLUS
(*File contains numerically searchable property data)
DT.CA CAplus document type: Journal
RL.NP Roles from non-patents: NORL (No role in record)



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

1 REFERENCES IN FILE CA (1907 TO DATE)
1 REFERENCES IN FILE CAPLUS (1907 TO DATE)
1 REFERENCES IN FILE CAOLD (PRIOR TO 1967)

REFERENCE 1: 62:90491

=> fil beil
FILE 'BEILSTEIN' ENTERED AT 07:26:55 ON 07 MAR 2005
COPYRIGHT (c) 2005 Beilstein-Institut zur Foerderung der Chemischen Wissenschaften
licensed to Beilstein GmbH and MDL Information Systems GmbH

FILE RELOADED ON OCTOBER 20, 2002

FILE LAST UPDATED ON February 14, 2005

FILE COVERS 1771 TO 2004.
*** FILE CONTAINS 9,133,317 SUBSTANCES ***

>>>PLEASE NOTE: Reaction Data and substance data are stored in separate documents and can not be searched together in one query. Reaction data for BEILSTEIN compounds may be displayed immediately with the display codes PRE (preparations) and REA (reactions). A substance answer set retrieved after the search for a chemical name, a compounds with available reaction information by combining with PRE/FA, REA/FA or more generally with RX/FA. The BEILSTEIN Registry Number (BRN) is the link between a BEILSTEIN compound and belonging reactions. For mo detailed reaction searches BRNs can be searched as reaction partner BRNs Reactant BRN (RX.RBRN) or Product BRN (RX.PBRN).<<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

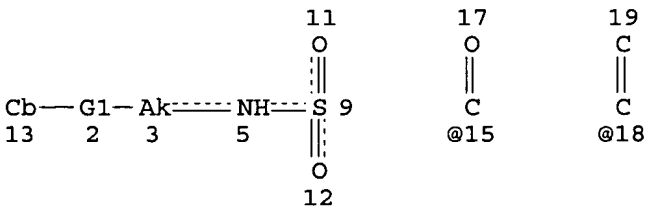
****
* PLEASE NOTE THAT THERE ARE NO FORMATS FREE OF COST. *
* SET NOTICE FEATURE: THE COST ESTIMATES CALCULATED FOR SET NOTICE *
* ARE BASED ON THE HIGHEST PRICE CATEGORY. THEREFORE; THESE *
* ESTIMATES MAY NOT REFLECT THE ACTUAL COSTS. *
* FOR PRICE INFORMATION SEE HELP COST *
****

NEW

*** PATENT NUMBERS (PN) AND BABS ACCESSION NUMBERS (BABSAN) CAN NOW BE SEARCHED, SELECTED AND TRANSFERRED.**

*** NEW DISPLAY FORMATS ALLREF, ALLP AND BABSAN SHOW ALL REFERENCES, ALL PATENT REFERENCES, OR ALL BABS ACCESSION NUMBERS FOR A COMPOUND AT A GLANCE.**

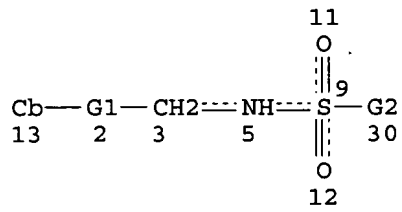
=> d sta que
L10 STR

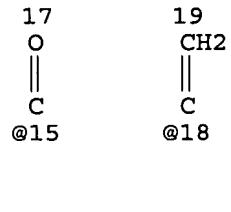


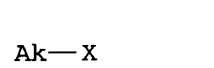
VAR G1=15/18
NODE ATTRIBUTES:
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY AT 13
DEFAULT ECLEVEL IS LIMITED

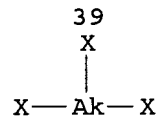
GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 11

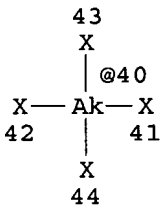
STEREO ATTRIBUTES: NONE
L17 35 SEA FILE=BEILSTEIN SSS FUL L10
L24 STR

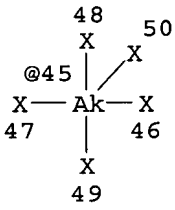


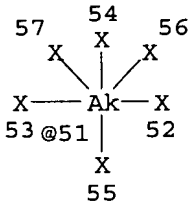


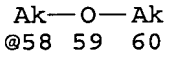












VAR G1=15/18
VAR G2=AK/31/33/36/40/45/51/58
NODE ATTRIBUTES:
CONNECT IS M1 RC AT 13
CONNECT IS M1 RC AT 51
DEFAULT MLEVEL IS ATOM
GGCAT IS PCY UNS AT 13
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 42

STEREO ATTRIBUTES: NONE
L27 0 SEA FILE=BEILSTEIN SUB=L17 CSS FUL L24

100.0% PROCESSED 34 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.02

=> fil marpat
FILE 'MARPAT' ENTERED AT 07:36:05 ON 07 MAR 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE CONTENT: 1988-PRESENT (VOL 142 ISS 10)(20050304/ED)

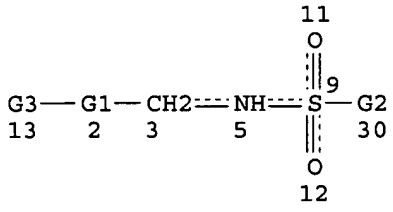
MOST RECENT CITATIONS FOR PATENTS FROM FIVE MAJOR ISSUING AGENCIES
(COVERAGE TO THESE DATES IS NOT COMPLETE):

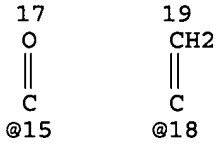
US 6833450 21 DEC 2004
DE 10324567 23 DEC 2004
EP 1489086 22 DEC 2004

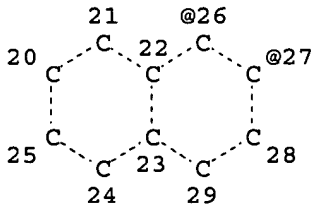
JP 2004353038 16 DEC 2004
WO 2005007685 27 JAN 2005

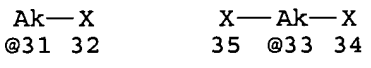
Structure search limits have been raised. See HELP SLIMIT for the new, higher limits.

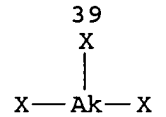
=> d sta que l26
L20 STR

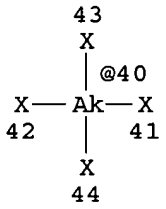


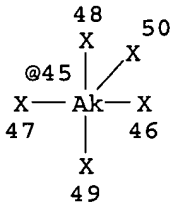


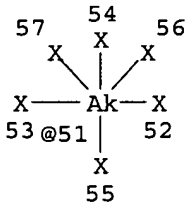


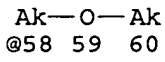








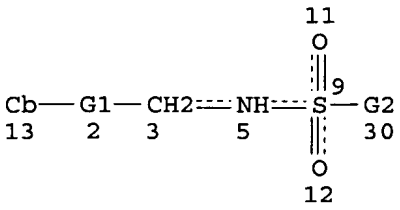


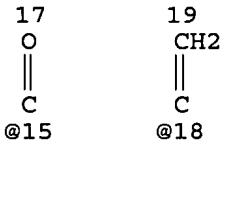


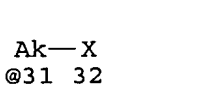
VAR G1=15/18
VAR G2=AK/31/33/36/40/45/51/58
VAR G3=26/27
NODE ATTRIBUTES:
CONNECT IS M1 RC AT 51
DEFAULT MLEVEL IS ATOM
DEFAULT ECLEVEL IS LIMITED

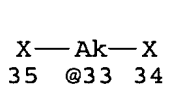
GRAPH ATTRIBUTES:
RSPEC 20
NUMBER OF NODES IS 52

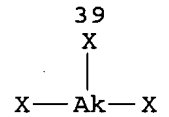
STEREO ATTRIBUTES: NONE
L23 5 SEA FILE=MARPAT SSS FUL L20
L24 STR

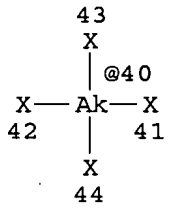


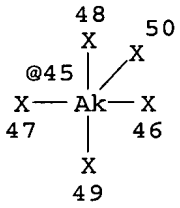


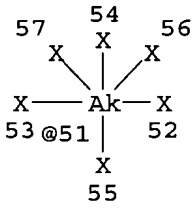


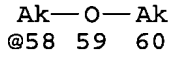










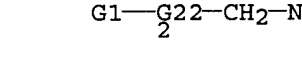



```
VAR G1=15/18
VAR G2=AK/31/33/36/40/45/51/58
NODE ATTRIBUTES:
CONNECT IS M1  RC AT  13
CONNECT IS M1  RC AT  51
DEFAULT MLEVEL IS ATOM
GGCAT   IS PCY  UNS  AT  13
DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS  42

STEREO ATTRIBUTES: NONE
L25            3 SEA FILE=MARPAT SUB=L23 CSS FUL L24
L26            2 SEA FILE=MARPAT ABB=ON  PLU=ON  L25/COM


=> d l26 bib abs qhit 1 2

L26  ANSWER 1 OF 2  MARPAT  COPYRIGHT 2005 ACS on STN
AN   132:137177  MARPAT
TI   Preparation of arylalkyl sulfonamides for potentiating of glutamate
     receptor function
IN   Arnold, Macklin Brian; Bender, David Michael; Fray, Andrew Hendley; Jones,
     Winton Dennis; Ornstein, Paul Leslie; Simon, Richard Lee; Zarrinmayeh,
     Hamideh; Zimmerman, Dennis Michael
PA   Eli Lilly and Company, USA
SO   PCT Int. Appl., 72 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
     ---------------   ----  --------       ---------------  --------
```

PI WO 2000006157 A1 20000210 WO 1999-US17140 19990728
W: AE, AL, AM, AU, AZ, BA, BB, BG, BR, BY, CA, CN, CU, CZ, EE, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, RO, RU, SD, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
CA 2338864 AA 20000210 CA 1999-2338864 19990728
AU 9952397 A1 20000221 AU 1999-52397 19990728
EP 980864 A2 20000223 EP 1999-306006 19990728
EP 980864 A3 20030709
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO
JP 2002521443 T2 20020716 JP 2000-562012 19990728
US 6358981 B1 20020319 US 2001-744414 20010123
US 2002115864 A1 20020822 US 2002-52988 20020118
US 6515026 B2 20030204
US 2003171350 A1 20030911 US 2002-318483 20021212
US 6713516 B2 20040330
US 2004157842 A1 20040812 US 2004-774284 20040206
PRAI US 1998-94905P 19980731
WO 1999-US17140 19990728
US 2001-744414 20010123
US 2002-52988 20020118
US 2002-318483 20021212

AB The title compds. R1C(Ra)(Rb)CH2NHSO2R2 [I; one or both of Ra and Rb = F, Cf3, ORc (wherein Rc = H, alkyl), and any remainder = H; or Ra and Rb together = O, CH2; R1 = (un)substituted Ph, furyl, thienyl, etc.; R2 = alkyl, cycloalkyl, fluoroalkyl, etc.], useful for treating a cognitive disorder, a neurodegenerative diorder, age-related dementia, movement disorder, depression, attention deficit disorder, attention deficit hyperactivity disorder, and psychosis, were prepared and formulated. E.g., a multi-step synthesis of I [Ra = OMe; Rb = H; R1 = 4-BrC6H4; R2 = Me], was given. Compds. I are effective at 0.01-100 mg/kg/day.

MSTR 1



G1 = naphthyl
G16 = Me
G22 = C(O)
DER: or pharmaceutically acceptable salts
MPL: claim 1
NTE: substitution is restricted

RE.CNT 1 THERE ARE 1 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

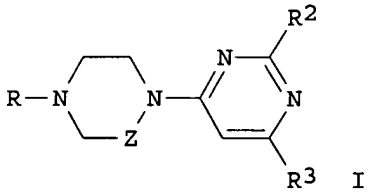
L26 ANSWER 2 OF 2 MARPAT COPYRIGHT 2005 ACS on STN
AN 126:343579 MARPAT
TI Preparation of pyrimidinylpiperazines as lipid peroxidation inhibitors
IN Toldy, Lajos; Zubovics, Zoltan; Szilagyi, Katalin; Vida, Franciska; Andrasi, Ferenc; Sutka, Klara; Hodula, Eszter; Szekeres, Tibor; Feher, Gabor; Moravcsik, Imre; Matyus, Peter; Sebestyen, Laszlo; Szabo, Hilda; Zara, Erzsebet; Horvath, Edit
PA Gyogyszerkutato Intezet, Hung.; Toldy, Rozsa; Toldy, Marta; Toldy, Andras; Zubovics, Zoltan; Szilagyi, Katalin; Vida, Franciska; Andrasi, Ferenc; Sutka, Klara; et al.

SO PCT Int. Appl., 122 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 9714685	A1	19970424	WO 1996-HU58	19961014
W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA				
HU 76265	A2	19970728	HU 1995-3012	19951019
AU 9673259	A1	19970507	AU 1996-73259	19961014

PRAI HU 1995-3012 19951019
WO 1996-HU58 19961014

GI



I

AB Title compds. [I; R = AX(CH2)r(CO)q(CH2)pR1; A = (un)substituted alkylene; R1 = (un)substituted aryl; R2,R3 = NH2 or N-attached heterocyclyl; X = bond, SO0-2, (un)substituted imino; Z = CH2 or CH2CH2; p,q,r = 0 or 1] were prepared Thus, 1-[2-hydroxy-3-(2-naphthylthio)propyl]piperazine (preparation given) was N-arylated by 2,6-diamino-4-chloropyrimidine to give I [R = R1SCH2CH(OH)CH2, R1 = 2-naphthyl, R2 = R3 = NH2, Z = CH2]. Data for biol. activity of I were given.

MSTR 4

G1—G7(8)—H

G1 = 17

G3—C(O)(17)—CH2

G3 = 2-naphthyl
G7 = 40

N(40)—G13

G13 = SO2Me
DER: and salts
DER: or protected derivatives

MPL: claim 11
NTE: substitution is restricted

=>